

THE TECH

VOL. XXXIII. NO. 165.

BOSTON, MASS., TUESDAY, MARCH 31, 1914.

PRICE TWO CENTS

TECHNIQUE BOARD DECIDE ON BINDING

Members Visit Two Plants
Which Are To Furnish
Leather for the Book.

Yesterday those members of the Technique Board directly interested in the binding of the book made a trip to the plant of Winslow Brothers and Smith Company, tanners and dyers, to give their final approval in the matter of the leather to be used in this year's binding. So careful has the board been in the matter of the color of the leather to be used that it was necessary to dye it over twice before the exact tint desired was obtained. A rich suede is being used, and the most careful process of manufacture has produced an effect, so far as color and finish is concerned, which will indeed be a surprise to all who see the book. As a mere matter of statistics, there are forty dozen skins required for the binding of this edition and each one of these has passed twice through the elaborate process of dyeing, stretching, drying, and final brushing up that a rich nap and pleasing texture may be given to the finished product.

Sample after sample of color was examined by the board before a final choice of one color was made. Then all the varying tints and shades of this one color were gone over, the Board finally deciding upon what they considered to be one of the most beautiful and rich colors that could be found. The first samples from the dyer approximated the color but did not succeed in producing the varying tones which were desired. This necessitated the redyeing of the skins, and the final result is really a work of art.

Wednesday morning will find the bookbinder at work on the covers, and by Monday of next week Technique 1915 will have begun to appear as a completed work, a book long to be remembered in the development of the Tech annual.

ARCH. ENGINEERS MEETING

The Architectural Engineering Society will hold a meeting today at four o'clock in Room 42, Pierce Building. The speaker of the afternoon will be George Taylor, Manager of the Eastern Expanded Metal Company. The subject of his lecture is "The Uses of Expanded Metal Lath."

NOTICE

Students who wish to become members of the Harvard Deutscher Verein should confer immediately with Professor Vogel in regard to his recommendation, which is necessary for election.

H. A. AFFEL DISCUSSES ALTERNATING MACHINES

Goldsmith System of Alternator
Compared with Earlier
Machines.

A meeting of the Wireless Club was called yesterday afternoon at 4.30 in 20 Eng. B. H. C. Gawler read a letter discussing amateur wireless operators' regulations. A second letter, from the Boston American, regarding Mr. Thomas's desire for a set of instruments in the leper colony was also brought forward.

The president announced the improvement of the laboratory in the Lowell building. Two dollars was collected toward the rewinding of the club's transformer. The speaker, H. A. Affel '14, was called upon to deliver a talk, the subject of which, was "High Frequency Alternators." He discussed various types of alternators starting with the earliest Tesserler machine. Some of these machines were tried out and found to be inefficient, because they could not give enough frequency with the necessary output of power. Fessenden developed a machine with a greater efficiency which was in turn superseded by the Goldsmith apparatus, which is being tested in Germany and in New Jersey of the United States. The Goldsmith Alternator is a machine by which the fundamental frequency is multiplied four or five times by electrical means, so that we get a high frequency without an abnormally high speed apparatus. It is built to the size of one hundred kilowatts and has been used successfully in trans-Atlantic telegraphy.

THE RADIUM SITUATION

Mr. Parsons To Speak on Ab-
sorbing Topic Tomorrow
Night.

At 8.00 o'clock tomorrow evening Mr. Charles L. Parsons of the Bureau of Mines, Washington, D. C., will address the Society of Arts in Huntington Hall on the subject of "The Radium Situation." Mr. Parsons will tell something of the physical and chemical properties of radium, and will touch on our own and other resources throughout the world. He will also take up the therapeutic side of radium, to a limited extent. The lecture will be illustrated by lantern slides, both of the radium country, and the results of the application of radium by some of our most eminent surgeons.

PORTFOLIO COMMITTEE GATHERING DATA

Desires To Ascertain Number of
Books Sold—Delinquents
Troublesome.

At one o'clock this noon a member of the Portfolio Committee will be in the Union to meet men holding sign-up books for the Senior Portfolio. The Committee requests that each Senior who is signing up men for the year book report at this meeting, as it is important that the total number of books already sold be known. Those who are unable to be present in person, which is most desirable, as there may be an announcement to make, may leave a note at the Cage addressed to the Committee giving the total number signed up to date, with the number of books promised.

A few men have not yet returned their proofs but they are being attended to by the committee. The number of Seniors who have not yet handed in statistic blanks is very large, and this is bothering the men in charge greatly as no compilation of statistics to be sent to the printer can be started until all blanks are handed in. This will undoubtedly cause a delay in the publication of the book unless the delinquents hand in their Institute life history at once.

(Continued on Page 3.)

PRACTICE RUN TODAY

Train Leaves Back Bay at 3.54
for Highland.

A large squad is expected to take the practice Cross-country run over the Tech course this afternoon as it is the only chance for new men to learn the course before the race next Saturday. The run will be held rain or shine. The men will leave on the 3.54 train from the Back Bay station and the round trip fare will be twenty-five cents. This includes the hiring of a team to carry the men's clothes from Highland where the run starts to the field.

As the Spring Run had to be postponed last Saturday it will be run at the same time as the Freshman-Sophomore race next Saturday. The two teams can be chosen, the race run off, and the Freshman-Sophomore race decided by separate scoring.

HEATH COMFORTABLE

Leslie J. Heath of Chelsea, who was burned by the explosion of acetyl chloride Saturday, is resting comfortably, but it is not certain yet how his eyes will be affected. He is at the Massachusetts Eye and Ear Infirmary.

COMMITTEES FOR CLASS DAY ARE APPOINTED

Duffield Chairman of the Class
Day Exercises Committee—
Picture Friday.

At the Class Day Committee meeting held yesterday afternoon the following committees were appointed: Class Day Exercise Committee, P. J. Duffield (ch.); A. C. Dorrance, L. W. Snow, W. P. Keith, C. P. Fiske; Dinner Committee, T. H. Guething (ch.), D. L. Southerland, H. W. Treat; Printing Committee, A. H. Waitt (ch.), A. F. Peaslee, G. A. Beach; Dance Committee, D. G. Crowell (ch.), C. H. Ober, F. L. Hurlburt, A. D. Hiller, R. H. Dickson; Picnic Committee, P. E. Morrill, C. D. Bryant, W. H. Price, H. B. Richmond, J. W. Hine. "Pops" Committee, R. D. Salisbury (ch.), H. L. Stone, V. M. V. Tallman; Budget Committee, E. E. Dawson (ch.), T. J. Duffield, T. H. Guething, A. H. Waitt, D. G. Crowell, P. E. Morrill, R. D. Salisbury.

These committees will have charge of the details of Class Day and will make all arrangements. The Budget Committee, which is composed of the chairmen of all the other committees with the treasurer as chairman, will determine the approximate amount of money to be expended on Class Day, each different function being allowed a definite amount within the narrow bounds of which the committee will try to keep.

The date of the picture of the Committee has been changed to Friday at 1 o'clock. It will be taken at Hearn's Studio, 727 Boylston street.

The dinner will probably take place as usual on the day on which the men receive the notifications from the Secretary regarding their degree. The celebration at "Pops" will be the grand finale.

WEATHER

For Boston and vicinity: Rain and warmer tonight; Tuesday unsettled, probably occasional rains; moderate variable winds.

CALENDAR

Tuesday, March 31, 1914.
4.00—Show Ponies. Room B.
Union.
4.00—Arch. Eng. Society. 42 Pierce.
5.00—Institute Committee Meeting.
8 Eng. C.
6.30—Episcopal Dinner.

Wednesday, April 1, 1914.
8.30 a. m.—Chem. Soc. Trip.
1.00—Soph. Gov. Board Meeting.
21 Rogers.

4.00—M. E. Meeting. 11 Eng. B.
8.00—Society of Arts Lecture, "The Radium Situation." Huntington Hall.

Thursday, April 2, 1914.
7.30—Chess Match, Harvard Freshmen vs. M. I. T. Freshmen. Union, Room A.

THE TECH

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TUESDAY, MARCH 31, 1914.

IN CHARGE OF THIS ISSUE.

Editor: A. E. Keating, '17.
Associates: R. F. F. Brooks, '17;
F. A. Stearns, '17.

There is growing up in our midst an institution as pernicious as it is irreconcilable with the principles of Technology. One whose duties bring him often about the Union is soon impressed with the presence of numerous individuals who seem to have nothing to do but keep the chairs warm. Morning, noon and night they may be found sprawled out over the seats or slouched down into the cushions indulging in little pleasantries about those who are pursuing their studies as they should. These same individuals also indulge in the gentle art of playing cards or chess and monopolize the tables, giving vent to their loudest and most profane conversation when there is a speaker trying to make himself heard in the large room.

Can Tech afford to tolerate such a condition of affairs? Is the Union provided as a lounging hall for such individuals, and its books supplied as missiles for them to throw at each other? Not only is this condition of affairs most unfortunate for those who are so weak as to deem this sort of behavior a necessary part of their 'college' education, but it is rapidly helping to undermine the discipline of the Union itself. The freshman observing such things, and never having impressed upon him the respect he should hold for the Union, develops into the sophomore who wears his hat about the room, sits on the magazines and takes delight in spreading his cigarette ashes all over the cushions. The junior product of such conditions has not as yet

ENGINEERING AND SCIENTIFIC NOTES

A Gigantic Silencer.

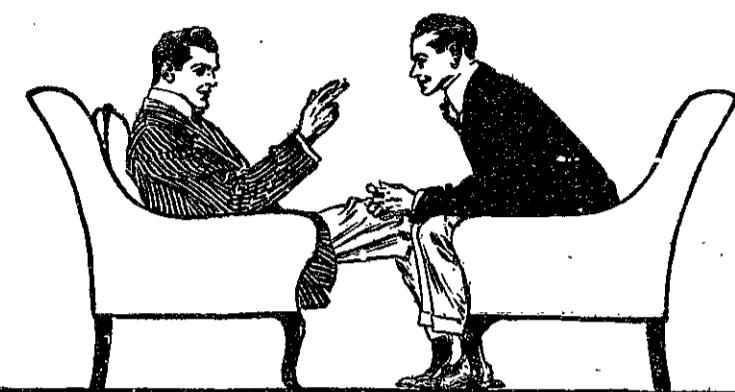
Several authorities on acoustics and methods of silencing noise indoors and out are at present engaged in an effort to devise some scientific method of silencing the roar of three giant 15,000 kilowatt turbine driven generators in the 201st street station of the United Electric Light & Power Company, New York. Professor Wallace C. Sabine, dean of the Graduate School of Applied Science at Harvard, is among those who are considering the problem. Because of the complaints of Washington Heights property owners the lighting company engaged a firm of engineers to make a thorough study of conditions and to try to find a remedy. This firm several months ago was engaged to undertake the task of making sound proof a large room in the Cuyahoga County Court House in Cleveland, Ohio. C. M. Swan, a former Institute of Technology professor, and an associate of Professor Sabine, was in charge of the task, which was carried out successfully in the face of many obstacles.

The success of the Cleveland man led the electric lighting company to believe that it might be possible to kill the rumble of its huge generators. Because of the great speed at which the turbine driven generators are operated, it is necessary to keep a draught circulating through the generating room. Otherwise the air would become unbearably warm and the machines would be overheated. Two large doors in the front of the building are left open all night, and with the rush of air from the basement generating room the roar of the generators is carried out into the night, disturbing the sleep of apartment dwellers a dozen blocks away.

Professor Sabine and Professor Swan have worked out an elaborate system which they think will do away with the sleep-disturbing roar in the future. They believed that the rush of air up from the basement carrying the sound of the generators through the open doors was a vital part of the problem. A system has been devised whereby the air from the basement will be conducted into a small well which will lead to the first floor. This well is to be equipped with partitions arranged close together after the fashion of the series of compartments in the Maxim silencer. These partitions are made

has only made himself manifest within the last two years.

Such a condition should not be allowed longer to exist. The student body should take immediate steps to the end, that, with the advent of the new student social centre, we can be certain that it will be properly appreciated. This latter view of the matter means much, for it is the alumni who are helping to make possible this new centre and a just respect to them and to those who are working with them and for us should impel us to set about showing our appreciation.



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—when we all got around in a ring—and lit up our Fatima Cigarettes—well I should say yes! Ha, Ha! And do you know I have never found a cigarette, since, that pleases me as well as Fatimas—mighty good smokes."

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developed as this type of individual of thin boards, which provide a substantial foundation for layer after layer of felt made of cattle hair. This felt is three inches thick. Professor Sabine's idea is that when the air rushes through the well to the first floor the sound will be killed and the grumble of the generators will be reduced to a minimum.

The 201st street power plant has been in operation only a few weeks. More than \$6,000,000 was spent for the building and equipment.

Cornell's baseball squad starts south on its annual training trip tomorrow.

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CLASS DAY COMMITTEE

The Senior Class Day Committee will have its picture taken at four o'clock on Friday, April third, at Hearn's Studio. All members of the committee should keep this date in mind as it is important that all should be present for the picture.

SECOND ROUND RESULTS OF CHESS TEA MATCH

Harvard and Tech Freshmen To Meet Thursday Night in Union.

In the second round of the Chess Club tournament Jones '14 won from Lewiston '17, and Saladrigas '16 defeated Baxter '17 two to one, as did Woodridge '16, Newman '15. Johnston '15 lost to Dean '17 by the score of two to nothing.

A match between the Harvard and Tech Freshmen is arranged for Thursday evening. The 1917 team will be composed of Kenigburg, Baxter and Lewiton; it will meet in the Union at 7.30.

The members of the team for the Brown meet will be decided at the executive committee meeting this week.

INSTITUTE COMMITTEE

Special Meeting Today at 5.00—Committees Report.

The Institute Committee will hold a special meeting today at five o'clock in 8 Engineering C. The committee which was appointed to investigate the constitution of the Technology Monthly will make its report. The report of the committee on the "All Technology Mass Meeting" will also be given.

All members of the committee are requested to be present, as the meeting is of more than ordinary importance.

SENIOR PORTFOLIO

(Continued from Page 1.)

There will be many improvements in this year's Senior Portfolio and the book will be a new one absolutely. The appearance has been radically changed for the better, there will be a greater number of photographs in it than ever before, a special process ink that gives a softness to the tones of the cuts, yet does not impair the distinctness, will be used, and yet with all the improvements the price will be one dollar less than last year. The cuts are on copper and are the best obtainable. Proofs of a few have been received from the printer and show off very well. As the engravings constitute perhaps the most important single item that makes for the success of the book, great care has been taken in their production.

In view of the cheapness of this year's book, the improvements over other ones, and the fact that two hundred and forty books must be sold in order to come out even financially, the committee feels that every member of the class should support them in the efforts to produce the best Portfolio ever at the low price of five dollars.

Those who desire to sign up may do so with any of the following men who have sign-up books: Duffield, Crowell, Stone, Waitt, Morse, Calver, Fox, Barrett, Fiske, Hines, Hiller, Morrill, Peaslee, Salisbury, Dawson, Treat, Todt, Wells, White and Wilkins.

BOSTON CHAIRMAN OF A. S. M. E. TO SPEAK

Talk on "Purchasing in Its Relation to Engineering" by R. E. Curtis.

A prominent member of the American Society of Mechanical Engineers, the chairman of the Boston section, Mr. R. E. Curtis, will be the speaker at the Wednesday's meeting of the Mechanical Engineering Society. His subject will be "Purchasing in Its Relation to Engineering."

Mr. Curtis graduated from the Institute in '87, and for a while thereafter was assistant in the Applied Laboratory. He is at present acting as chief draughtsman and assistant mechanical engineer for the Edison Co. He was the secretary of the Boston section of the A. S. M. E. since that section was started and last year he was elected chairman. He has on numerous occasions read papers before the A. S. M. E. and his talk on Wednesday bids well to prove profitable to those who attend.

The meeting will come at 4 o'clock in 11 B, not at 4.15 as was stated through a misunderstanding in yesterday's issue of THE TECH.

LIVELY DEBATE HELD

Discussion on Women's Suffrage Won by the Negative.

The class in Argumentation and Debate discussed at the last meeting the question, "Resolved, that the women of the United States should be given the suffrage on equal terms with men." Benedict and Kleinert appeared for the affirmative; for the negative, Beidelman and Lewis. The negative won. Shoellkopf acted as chairman, and Eksergian as analyst.

Five members of the class attended on Friday evening the Harvard-Princeton debate on the same question. In this debate also the negative won, and in those at Princeton and at New Haven as well.

One feature of the course this year has been a visit paid to the State House to study debating under practical conditions, in the discussions of the Massachusetts legislature or in the hearings before legislative committees.

EPISCOPAL DINNER

An informal dinner for Tech Episcopalian will be held this evening at 6.30 o'clock in the Trinity House, 93 St. James Avenue. All those desiring tickets may obtain them from Messrs. Casselman, Barratt and Dowell for the sum of fifty cents.

The speaker of the evening will be Rev. F. C. Tanderburn, Vicar of St. Stephens. Plans for the observance of Holy Week and the Cooperate Communion for Tech men on Easter Sunday will be discussed.

NOYES'S LAST LECTURE

England's poet laureate, Alfred Noyes, will make his last appearance in Boston at Tremont Temple, tonight. The price of reserved seats runs from 50 cents to \$1.50.

WOODBRIDGE-PROTHEROE MATCH INTERESTING

Tech Man Defeated Brown Player by Narrow Margin in Hard Contest.

To the many lovers of chess at the Institute the following game between Woodbridge of Technology and Protheroe of Brown in the recent Tech-Brown match, in which Woodbridge by very clever playing defeated his opponent in twenty-nine moves, will doubtless prove of much interest. The contest was close and the game attracted much attention, as both men are regarded as very good players.

	White	Black
1	Woodbridge (Tech)	Protheroe (Brown)
2	P-K4	P-K3
3	Kt-QB3	P-Q4
4	PxP	PxP
5	P-Q4	QB-K3
6	Kt-KB3	B-Q3
7	B-Q3	Kt-KB3
8	B-KKt5	QKt-Q2
9	Q-K2	P-QB3
10	O-O	KRP-KR3
11	B-KR4	Q-B2
12	BxKt	KtxKt
13	B-KB5	Q-Q2
14	KR-Ksq	K-K2
15	BxB	PxB
16	Kt-K5	Q-KBsq
17	Kt-Kt6	K-Q2
18	KtxR	QxKt
19	QxPch	K-B2
20	Q-KB7	Kt-Q2
21	P-QR3	R-KBsq
22	Q-KKt6	Q-KKtsq
23	P-QKT4	P-QT1
24	P-QR4	BxP
25	PxP	Kt-B3
26	RxPch	K-Kt3
27	R-QRsq	KxKt
28	KR-QR6ch	KxP
29	Q-Q3ch	K-B5
	R-Kt2	mate

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BUSINESS MEETING

A business meeting of the Cosmopolitan Club, will be held at 5 o'clock Wednesday afternoon in 8 Eng. C. The report of the entertainment committee as well as that of the banquet committee will be heard. Members of the club must also report at this meeting on the sale of tickets of International night.

Harvard's 1914 football squad holds its first meeting of the year today.

CLASSIFIED ADS.

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SENIOR RELAY TEAM

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In the fall of 1910, when the call for Freshmen relay candidates was issued, the class of 1914 responded well. After three weeks of hard work, a team composed of T. H. Guething, Captain; E. W. Bowler, A. Crankshaw, C. R. Gardner, A. D. Hiller, F. L. Hurlbutt, S. A. Smith, A. R. Stubbs, P. H. Taylor, E. Tisdale, H. S. Wilkins and A. T. Wyman was selected. Owing to the weather, Field Day was not much of a success. The field was a sea of mud and water and the track was so heavy that it was almost impossible to run. The relay race was won by 1913, but this did not make 1914 lose heart, for the next year a team composed of L. A. Wilson, Captain; J. W. Bolton, E. W. Bower, A. Crankshaw, A. C. Dorrance, T. H. Guething, M. A. Oettinger, S. A. Smith, A. R. Stubbs, D. L. Sutherland, H. S. Wilkins and A. T. Wyman not only won from 1915, but broke the record for the track. This record stood until it was broken last fall by the 1916 team.

The class of 1914 has one more chance to recover her lost glory and that will be at the Interclass Spring Meet on April 17. Her chances are of the best, for of the four men who will make up the team, three ran on the record breaking team. They are Captain L. A. Wilson, T. H. Guething, who is captain of the 'varsity track team, and H. S. Wilkins, who is considered one of the Institute's fastest sprinters. The fourth man was originally J. W. Bolton, who did not return this year. His place will be filled without difficulty as there are two good men, C. E. Fox and A. F. Peaslee. Fox has run on the 'varsity relay team all winter and Peaslee is considered a very fast man in the 220.

TROUBLE IN GLEE CLUB

It is very important that members of the Glee Club be on time for rehearsals. Tardiness is one of the greatest obstacles that the Glee Club has to fight. After the fellows have done their best to make it, it is up to them to support it, by attending, and attending promptly. An additional deposit will be necessary from those fellows who do not present themselves. The manager is calling the roll at 5 o'clock sharp.

Absences will not be tolerated, and as far as the second tenors are concerned, there will be a general shake-up if the fellows are not more conscientious. It will mean money out of pocket to every man who forgets to report at 5.05 tonight.

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